SuccessMaker® Enterprise v1.6

System Requirements

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1 Introduction

SuccessMaker Enterprise is an innovative deployment of SuccessMaker courseware and the ResultsManager management system that focuses on reading and mathematics curriculum for the Pre-K to 8th grade education sector. This technology-driven solution meets the needs of districts and schools, regardless of size and infrastructure. ResultsManager, the management system component of SuccessMaker Enterprise, offers a choice of two user interfaces to accommodate individual working styles. It also integrates industry-standard reporting software to provide reports that are easy to read and well-organized.

The SuccessMaker curriculum, aligned with national, state, and local standards and objectives, has a proven track record for delivering the results that the educators need. According to the National Education Technology Plan from the U.S. Department of Education, the most recent research and evaluation studies demonstrate that school improvement programs that employ technology for teaching and learning yield positive results for both students and teachers. Within the school market today, a wide variety of technology implementations exist, from the single computer in the back of the classroom to a laptop in the hands of every student in the school. SuccessMaker Enterprise is packaged to address all such technology implementations with four scalable delivery configurations.

SuccessMaker Enterprise offers these configurations to suit the needs of students and teachers. The configurations are flexible and scalable, allowing customers to augment initial investments with additional options as their schools evolve and grow.

This document provides detailed information about system requirements and network capacities. The system recommendations contained in this document are subject to change at any time due to hardware and software changes beyond the control of Pearson Digital Learning. Changes may include, but are not limited to, operating systems and hardware technologies dictated by the market.

The descriptions of the hardware used to support a SuccessMaker Enterprise School or SuccessMaker Enterprise District installation are given below.

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Windows Workstation

A Windows® workstation is a personal computer running Microsoft® Windows, functioning either as a stand-alone unit or a workstation linked to a local area network (LAN). This computer is used by students and teachers to access Pearson Digital Learning educational software. Management system functions can also be performed on this workstation.

To view the system requirements for a Windows workstation, see "Windows Workstations" on page 5.

NOTE: If you use the new Math Concepts and Skills 2 course, your system needs more memory to accommodate the technology. See "Windows Workstations" on page 5.

Macintosh Workstation

A Macintosh® workstation is a Macintosh-based personal computer, linked to a local area network (LAN). This computer is used by students and teachers to access Pearson Digital Learning educational software. Most management system functions can also be performed on this workstation.

To view the system requirements for a Macintosh workstation, see "Macintosh Workstations" on page 7.

NOTE: If you use the new Math Concepts and Skills 2 course, your system needs more memory to accommodate the technology. The Math Concepts and Skills 2 is Mac OS X Native-compatible. It will not run on Mac OS 9.x. See "Macintosh Workstations" on page 7.

Home Access Workstation

A Home Access workstation is a Windows-based or a Macintosh-based personal computer, functioning from home, for use with SuccessMaker Enterprise District's Home Access module. This workstation must have an Internet connection and must use a standard, non-customized Microsoft Internet Explorer Web browser.

To view the system requirements for a Windows-based Home Access workstation, see "Windows Workstations" on page 5.

To view the system requirements for a Macintosh-based Home Access workstation, see "Macintosh Workstations" on page 7.

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SuccessMaker Enterprise Local Server

The SuccessMaker Enterprise local server is a high-speed computer in a local area network (LAN) dedicated to storing the programs and data files needed at the site level to use the SuccessMaker Enterprise product.

To view the system requirements for the server, see "SuccessMaker Enterprise Local Server" on page 9.

SuccessMaker Enterprise Central Server

The central server is a District-level server for the SuccessMaker Enterprise District product. A LAN workstation is required to be connected to the central server for running an aggregate report.

To view the system requirements for the server, see "SuccessMaker Enterprise Central Server" on page 10.

SuccessMaker Enterprise Task Manager Workstation

A Task Manager workstation is a Windows-based personal computer, used to manage the database replication activities and to manage backing up servers in the replicating environment of SuccessMaker Enterprise District.

To view the system requirements for a Task Manager workstation, see "SuccessMaker Enterprise Task Manager Workstation" on page 11.

Print Service Workstation

A print service workstation is a Windows-based personal computer, configured to print reports from SuccessMaker clients on Macintosh workstations in a Novell NetWare server environment.

To view the system requirements for a print service workstation, see "Print Service Workstation for Novell NetWare Server" on page 12.

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SuccessMaker Enterprise Web Server

The Web server is a server used for the SuccessMaker Enterprise District product's Home Access module.

To view the system requirements for the server, see "SuccessMaker Enterprise Web Server" on page 13.

NOTE: For the most up-to-date versions of all system requirements, refer to the Pearson Digital Learning Web site at: http://www.pearsondigital.com/successmaker.

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2 System Requirements

Windows Workstations

Table 2-1. System requirements for stand-alone, local area network, and home access workstations

Component and Operating Systems	Minimum Requirements	Recommendations	Minimum Requirements	Recommendations
	For workstation installations where you do not run the Math Concepts and Skills 2 course		For workstation installations where you additionally run the Math Concepts and Skills 2 course	
Windows 98SE/ME (ME is only supported for Home Access users.)	▪ Processor: Pentium® II @ 233 MHz ▪ Memory: 64 MB	▪ Processor: Pentium III @ 500 MHZ (or faster) ▪ Memory: 128 MB	▪ Processor: Pentium® II @ 450 MHz ▪ Memory: 256 MB	▪ Processor: Pentium III @ 500 MHZ (or faster) ▪ Memory: 512 MB
Windows 2000 and Windows XP (PRO and HOME) ▪ Windows 2000 requires Service Pack 4	▪ Processor: Pentium II @ 233 MHz ▪ Memory: 128 MB	▪ Processor: Pentium IV @ 1.6 GHz (or faster) ▪ Memory: 512 MB	▪ Processor: Pentium II @ 450 MHz ▪ Memory: 256 MB	▪ Processor: Pentium IV @ 1.6 GHz (or faster) ▪ Memory: 512 MB
Monitor Resolution	800 x 600 with thousands of colors	800 x 600 with thousands of colors	800 x 600 with thousands of colors	800 x 600 with thousands of colors
Hard Disk Drive Space	200 MB of free disk space	200 MB (minimum) of free disk space	▪ Minimum 220 MB of free disk space ▪ Minimum 600 MB of free disk space if you install the Math Concepts and Skills 2 course to the local hard drive of your workstation.	▪ 220 MB of free disk space ▪ 600 MB of free disk space if you install the Math Concepts and Skills 2 course to the local hard drive of your workstation.

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System Requirements

Table 2-1. System requirements for stand-alone, local area network, and home access workstations

Component and Operating Systems	Minimum Requirements	Recommendations	Minimum Requirements	Recommendations
	For workstation installations where you do not run the Math Concepts and Skills 2 course		For workstation installations where you additionally run the Math Concepts and Skills 2 course	
CD-ROM/DVD Drive	Stations on server-based networks: One 2x DVD drive or one 4x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 8x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 4x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 8x CD-ROM drive for each station using the full-motion video option
Audio	Any Creative Labs or 100% compatible sound card, including Sound Blaster® 16 (or 32), PCI 64, or 16-bit VIBRA® series products	Any Creative Labs or 100% compatible sound card, including Sound Blaster 16 (or 32), PCI 64, or 16-bit VIBRA series products	Any Creative Labs or 100% compatible sound card, including Sound Blaster® 16 (or 32), PCI 64, or 16-bit VIBRA® series products	Any Creative Labs or 100% compatible sound card, including Sound Blaster 16 (or 32), PCI 64, or 16-bit VIBRA series products
Network Protocols	Transmission Control Protocol / Internet Protocol (TCP/ IP) required	TCP/IP required	TCP/IP required	TCP/IP required
Additional Required Software	▪ QuickTime® 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe® Reader® 5.0 or 6.0 required at all workstations	▪ QuickTime® 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe® Reader® 5.0 or 6.0 required at all workstations	▪ QuickTime® 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe® Reader® 5.0 or 6.0 required at all workstations	▪ QuickTime® 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe® Reader® 5.0 or 6.0 required at all workstations
Internet Browser	Microsoft Internet Explorer 5.5 with Service Pack 2 or later	Microsoft Internet Explorer 5.5 with Service Pack 2 or later	Microsoft Internet Explorer 5.5 with Service Pack 2 or later	Microsoft Internet Explorer 5.5 with Service Pack 2 or later
Printer	Any inkjet or laser printer supported by the operating system	Any inkjet or laser printer supported by the operating system	Any inkjet or laser printer supported by the operating system	Any inkjet or laser printer supported by the operating system

NOTE: To successfully run the District Home Access module, the workstation must have a 56K or faster connection to the Internet.

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Macintosh Workstations

Table 2-2. System requirements for local area network and home access workstations

Component and Operating Systems	Minimum Requirements	Recommendations	Minimum Requirements	Recommendations
	For workstation installations where you do not run the Math Concepts and Skills 2 course		For workstation installations where you additionally run the Math Concepts and Skills 2 course	
Mac OS® 9.2.2 Mac OS X (10.2.8, 10.3.9 and 10.4.2)	▪ Processor: G3 @ 400 MHz ▪ Memory: Mac OS 9.2.2-64 M B Mac OS X-128 M B **Note**: Virtual memory enabled and set to 128 MB for OS 9.2.2 **Note**: You must install the classic support on all Mac OS X workstations for all courses except the Math Concepts and Skills 2 course.	▪ Processor: G4 @ 800 MHz (or faster) ▪ Memory: Mac OS 9.2.2-256 MB Mac OS X-512 MB **Note**: Virtual memory enabled	▪ Processor: G3 @ 500 MHz ▪ Memory: Mac OS 9.2.2 - 64 MB Note: The Math Concepts and Skills 2 does not run on Mac OS 9.2.2 ▪ Memory: Mac OS X-256 MB **Note**: Virtual memory enabled and set to 128 MB for OS 9.2.2	▪ Processor: G4 @ 800 MHz (or faster) ▪ Memory: Mac OS 9.2.2 - 256 MB Note: The Math Concepts and Skills 2 does not run on Mac OS 9.2.2 ▪ Memory: Mac OS X-512 MB **Note**: Virtual memory enabled
Monitor Resolution	800 x 600 with thousands of colors	800 x 600 with thousands of colors	800 x 600 with thousands of colors	800 x 600 with thousands of colors
Hard Disk Drive Space	200 MB of free disk space	200 MB (minimum) of free disk space	▪ Minimum 220 MB of free disk space ▪ Minimum 600 MB of free disk space if you install the Math Concepts and Skills 2 course to the local hard drive of your workstation.	▪ 220 MB of free disk space ▪ 600 MB of free disk space if you install the the Math Concepts and Skills 2 course to the local hard drive of your workstation.

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Table 2-2. System requirements for local area network and home access workstations

Component and Operating Systems	Minimum Requirements	Recommendations	Minimum Requirements	Recommendations
	For workstation installations where you do not run the Math Concepts and Skills 2 course		For workstation installations where you additionally run the Math Concepts and Skills 2 course	
CD-ROM/DVD Drive	Stations on server-based networks: One 2x DVD drive or one 4x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 8x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 4x CD-ROM drive for each station using the full-motion video option	Stations on server-based networks: One 2x DVD drive or one 8x CD-ROM drive for each station using the full-motion video option
Additional Required Software	▪ QuickTime 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe Reader 5.0 or 6.0 required at all workstations	▪ QuickTime 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe Reader 5.0 or 6.0 required at all workstations	▪ QuickTime 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe Reader 5.0 or 6.0 required at all workstations	▪ QuickTime 5, 6.5 or 7.0.3 required at all workstations ▪ Adobe Reader 5.0 or 6.0 required at all workstations
Audio	Built in	Built in	Built in	Built in
Network Protocols	TCP/IP required	TCP/IP required	TCP/IP required	TCP/IP required
Internet Browser	Microsoft Internet Explorer 5.1.6 with Macintosh Runtime for Java™ 2.2.5 installed for Mac OS 9.2.2	Microsoft Internet Explorer 5.1.6 (for OS 9.2.2) with Macintosh Runtime for Java 2.2.5 installed for Mac OS 9.2.2	▪ For the Math Concepts and Skills 2 course: Microsoft Internet Explorer 5.2. ▪ For all other courses: Microsoft Internet Explorer 5.1.6 (for OS 9.2.2) with Macintosh Runtime for Java 2.2.5 installed for Mac OS 9.2.2	▪ For the Math Concepts and Skills 2 course: Microsoft Internet Explorer 5.2. ▪ For all other courses: Microsoft Internet Explorer 5.1.6 (for OS 9.2.2) with Macintosh Runtime for Java 2.2.5 installed for Mac OS 9.2.2

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NOTE: For the District Home Access module, the workstation must have a 56K or faster connection to the Internet.

NOTE: Stand-alone configuration is not supported for Macintosh workstations.

NOTE: Your system needs more memory to run the new Math Concepts and Skills course. The Math Concepts and Skills 2 course runs only in Mac OS X Native mode. It does not run on Mac OS 9.x.

SuccessMaker Enterprise Local Server

NOTE: A local server can also be used as a courseware server. Courseware servers only run the SuccessMaker courses and do not have management system functionality.

NOTE: To print reports from a SuccessMaker client running on a Macintosh workstation in Novell NetWare environment, you must install the print service workstation. For more information see "Print Service Workstation for Novell NetWare Server" on page 12.

Table 2-3. System requirements for a local server

Component and Network Operating Systems	Minimum Requirements	Recommendations
Novell® NetWare® 5.1*, 6*, and 6.5* ▪ NetWare 5.1: Support Pack 7 and Novell TCP Update for NetWare 5.1 ▪ NetWare 6 recommended Support Pack 4 and Novell TCP Update for NetWare 6 ▪ NetWare 6.5: Support Pack v3.0 and TCP Update for NetWare 6.5 Add (For Windows and Macintosh Workstations)	▪ Processor: Pentium III @ 700 MHz, single processor ▪ Processor: Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course) ▪ Memory: 512 MB	▪ Processor: Pentium IV @ 2 GHz (or faster) ▪ Memory: 512 MB
Windows 2000 Server** or Windows 2003 Server** (for Windows or Macintosh workstations) ▪ Windows 2000 Server: Service Pack 4 ▪ Windows 2003 Server: Service Pack 1	▪ Processor: Pentium III @ 700 MHz, single processor ▪ Processor: Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course) ▪ Memory: 512 MB	▪ Processor: Pentium IV @ 2 GHz (or faster) ▪ Memory: 512 MB
Network Protocols Required	TCP/IP	TCP/IP
Hard Disk Drive Space **Note**: Volume Compression is Not supported	20 GB of free space available	20 GB of free space available

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Component and Network Operating Systems	Minimum Requirements	Recommendations
Hard Drive Subsystem	SCSI or IDE drive **Note:** Servers with IDE drives can support only a maximum of 50 workstations.	SCSI drive
CD-ROM	A CD-ROM drive is required	A CD-ROM drive is required

* Novell-Certified server required.
** Microsoft-Certified server required.

NOTE: Windows 2000 or 2003 Server or NetWare 6.5 server with Support Pack 3.0 is required for Macintosh workstations. In addition, one Windows workstation is required for loading the SuccessMaker Enterprise software.

SuccessMaker Enterprise Central Server

The central server is the District-level server for the SuccessMaker Enterprise District product. The following minimum requirements are specified for Districts with up to 100 sites. Districts with up to 250 sites can be supported with enhanced hardware.

Contact Pearson Digital Learning at 1-888-977-7900 for further information about the SuccessMaker Enterprise Central Server.

Table 2-4. System requirements for a district central server

Component and Network Operating Systems	Minimum Requirements
Windows 2000 Server with Service Pack 4** Windows 2003 Server with Service Pack 1	▪ Dual Intel Xeon Processors @ 2.0 GHz ▪ Memory: 2 GB RAM
Network Card	100 MB Ethernet with full duplex capability
Hard Disk Drive Space	80 GB
Network Protocols	TCP/IP required
Hard Drive Specification Configuration	SCSI drive array with two physical disks and controller, or RAID/striped configuration

** Microsoft-Certified server required.

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SuccessMaker Enterprise Task Manager Workstation

The Task Manager workstation is used in conjunction with the SuccessMaker Enterprise District product's central server. The following minimum requirements are specified to support a district server with up to 100 sites with a single Task Manager. Additional Task Manager workstations are required to support districts that exceed 100 sites.

Contact Pearson Digital Learning at 1-888-977-7900 for further information about the SuccessMaker Enterprise Task Manager.

Table 2-5. System requirements for a Task Manager workstation

Component and Network Operating Systems	Minimum Requirements
Windows 2000 Professional with Service Pack 4 Windows XP (Pro)	▪ Pentium IV @ 2.4 GHz ▪ Memory: 512 MB RAM
Network Card	100 MB Ethernet with full duplex capability
Hard Disk Drive Space	20 GB
Network Protocols	TCP/IP required

NOTE: District sites that use NetWare servers for remote school servers must have the Novell workstation software loaded on the Task Manager workstation.

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Print Service Workstation for Novell NetWare Server

In a Novell NetWare server environment, Macintosh workstations are only supported on Novell NetWare 6.5 server with Support Pack 3 or above. You cannot print reports from a SuccessMaker Enterprise client, if you do not configure a print service workstation in your network. The system requirements for the print service workstation are given below.

Contact Pearson Digital Learning at 1-888-977-7900 for further information about the print service workstation.

Table 2-6. System requirements for a print service workstation

Component and Network Operating Systems	Minimum Requirements
Windows 2000 Professional with Service Pack 4 Windows XP (Pro) with Service Pack 2	▪ Pentium IV @ 2.4 GHz ▪ Memory: 512 MB RAM
Network Card	100 MB Ethernet with full duplex capability
Hard Disk Drive Space	20 GB
Network Protocols	Static TCP/IP required
NetWare Client	Client version 4.90 with Service pack 2 or Client version 4.91 with Service pack 1

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SuccessMaker Enterprise Web Server

The Web server is the server for the SuccessMaker Enterprise District product's Home Access module. Contact Pearson Digital Learning at 1-888-977-7900 for further information about the SuccessMaker Enterprise Web Server.

Table 2-7. System requirements for a Web server

Component and Network Operating Systems	Minimum Requirements
Windows 2000 Server with Service Pack 2 Windows 2003 server with Service Pack 1	▪ Dual Intel Xeon Processors @ 2.0 GHz ▪ Memory: 1 GB RAM
Hard Disk Drive Space	40 GB
Network Protocols	TCP/IP required
Web Server Software	IIS5.0 - Windows 2000 IIS6.0 - Windows 2003
Hard Drive Specification/Configuration	SCSI drive and controller

NOTE: The Web server must have a Fully Qualified Domain Name (FQDN) and must use port 80.

NOTE: The Web server and the central server communicate with each other through Transmission Control Protocol/User Datagram Protocol (TCP/UDP) port 2638.

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Network Capacities

District LAN/WAN Connection Speeds

For the SuccessMaker Enterprise District setup, you will need the following LAN/WAN connection speeds.

Between Central Server and Task Manager	Task Manager should be on the same network as central server, with a full duplex connection to the central server. Connection should be 100 MB Ethernet.
Between Web Server and Central Server	100 MB Ethernet
Between each school Local Server and the Task Manager	T1 connection
For Home Access workstation	Minimum 56K connection

Local Server Network Capacities

Table 2-8. Windows 2000/2003 server network capacities with Macintosh or Windows workstations

Ethernet Topology	File Server	Number of 10/100-Mbps Switches Required	Number of NICs Required	Maximum Number of Workstations Supported
10/100 Switched	▪ Pentium III @ 700 MHz, single processor ▪ Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course)	2	2	240
100BaseTX	▪ Pentium III @ 700 MHz, single processor ▪ Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course)	None	2	120

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Table 2-9. Novell NetWare 5.1, 6, and 6.5 server network capacities with Macintosh or Windows Workstations*

Ethernet Topology	File Server	Number of 10/100-Mbps Switches Required	Number of NICs Required	Maximum Number of Workstations Supported
10/100 Switched	▪ Pentium III @ 700 MHz, single processor ▪ Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course)	2	2	240
100BaseTX	▪ Pentium III @ 700 MHz, single processor ▪ Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course)	None	2	240
100BaseTX	▪ Pentium III @ 700 MHz, single processor ▪ Pentium III @ 1 GHz, single processor (for the Math Concepts and Skills 2 course)	None	1	120

NOTE: In a Novell NetWare server environment, Macintosh workstations are only supported on Novell NetWare 6.5 server with Support Pack 3 or above.

For further information on scalability and performance, contact Pearson Digital Learning at 1-888-977-7900.

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